ABSTRACT

The present invention provides a CAD system, a program for operating the system and a recording medium. The system is capable of automatically recognizing parts to be
5 processed, from CAD data which only contains a product shape, and generating the shape of body to be processed and the work contents therefore.

The CAD system includes a processing information group (15) and a process definition group (18). The processing
10 information group includes: a processed-body division (15a) which stores a part whose material substance is to be removed by a single or a series of processing operations, as a body for each of the process operations by pre-defined work instructions; and a process-contents division (15b)
15 which stores information about work contents of each process operation in relation to the body. The process definition group contains definitions of a plurality of process operations. Upon selection from the process operations and parts to be processed (51' through 59') in
20 an original product body (50'), shape information is extracted for each of the selected parts to be processed (51'-59') and tools and parameters for processing the extracted shape are determined, a processed bodes (51-59) are generated, the generated processed bodies (51-59) are
25 stored in the processed-body division (15a), and the determined tools and parameters are stored in the process-contents division (15b).